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CENTRAL FAX CENTER****MAY 23 2006****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Alex Nugent  
**SERIAL NO.:** 10/735,934  
**FILED:** 12/15/2003  
**TITLE:** NANOTECHNOLOGY NEURAL NETWORK METHODS AND SYSTEMS

**EXAMINER:** Michael J. Caldwell  
**GROUP:** 2129  
**ATTY DKT NO.:** 1000-1207

**CERTIFICATE OF TRANSMISSION BY FACSIMILE**

**Please forward all correspondence to:**  
ORTIZ & LOPEZ, PLLC  
Patent Attorneys  
P.O. Box 4484  
Albuquerque, NM 87196-4484

*I hereby certify that this correspondence is  
being transmitted to the Commissioner for  
Patents, P.O. Box 1450, Alexandria, VA  
22313-1450 by facsimile transmission  
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on May 23, 2006.*

*Kermit Lopez*  
Kermit Lopez

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION  
UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to the Office Action dated April 24, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 8 of this Paper.

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